

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for combined browsing and searching in a collection of connected content portions comprising:

- determining at least one user keyword;
- determining at least one relevant document path of connected content portions;
- determining an information scent value associated with the relevant document path by an information scent document vector generated by the following formulas applied t number of times where ~~the~~a matrix  $W$  reflects ~~the~~a weighted content matrix, vector  $E$  reflects the relevant document path, and ~~the~~a value  $ALPHA$  reflects ~~the~~a probability a user will click through to a document or web page

$$(1) \quad A(1) = ALPHA * \text{Topology-Matrix } \underline{W} * E$$

$$(2) \quad A(t) = ALPHA * \text{Topology-Matrix } \underline{W} * A(t-1) + E;$$

synthesizing a display attribute based on the determined information scent and the at least one user keyword.

2. (Canceled)
3. (Previously Presented) The method of claim 1, wherein determining content information is based on weighted word frequency of each content portion.
4. (Previously Presented) The method of claim 1, wherein each content portion in the relevant document path is weighted based on content portion position in the relevant document path.
5. (Previously Presented) The method of claim 1, wherein the synthesized display attribute relates to the connection or links among content portions.

6. (Previously Presented) The method of claim 1, wherein the display attribute is at least one of an aural, tactile, olfactory, visual and taste display characteristic.

7. (Currently Amended) A system for combined browsing and searching in a collection of connected content portions comprising:

a controller circuit;

a content determining circuit;

a topology determining circuit;

an input/output circuit for entering at least one user keyword;

a relevant document path determining circuit that determines at least a relevant document path of connected content portions based on at least one user keyword;

an information scent determining circuit that determines an information scent value based on the relevant document user path by an information scent document vector generated by the following formulas applied t number of times where ~~the a~~ matrix W reflects ~~the a~~ weighted content matrix, vector E reflects the relevant document path, and ~~the a~~ value ALPHA reflects ~~the a~~ probability a user will click through to a document or web page

$$(1) \quad A(1) = \text{ALPHA} * \text{Topology-Matrix } \underline{W} * E$$

$$(2) \quad A(t) = \text{ALPHA} * \text{Topology-Matrix } \underline{W} * A(t-1) + E; \text{ and}$$

a display attribute synthesizer that synthesizes a display attribute based on the determined information scent and the at least one user keyword.

8. (Canceled)

9. (Previously Presented) The system of claim 7, wherein the content determining circuit determines content information based on weighted word frequency of each content portion.

10. (Previously Presented) The system of claim 7, wherein each content portion in the relevant document path is based on the content portion position in the relevant document path.

11. (Previously Presented) The system of claim 7, wherein the synthesized display attribute is a display attribute of an associated connection among content the portions.